Appendix A: DTS Bandwidth

Test Result

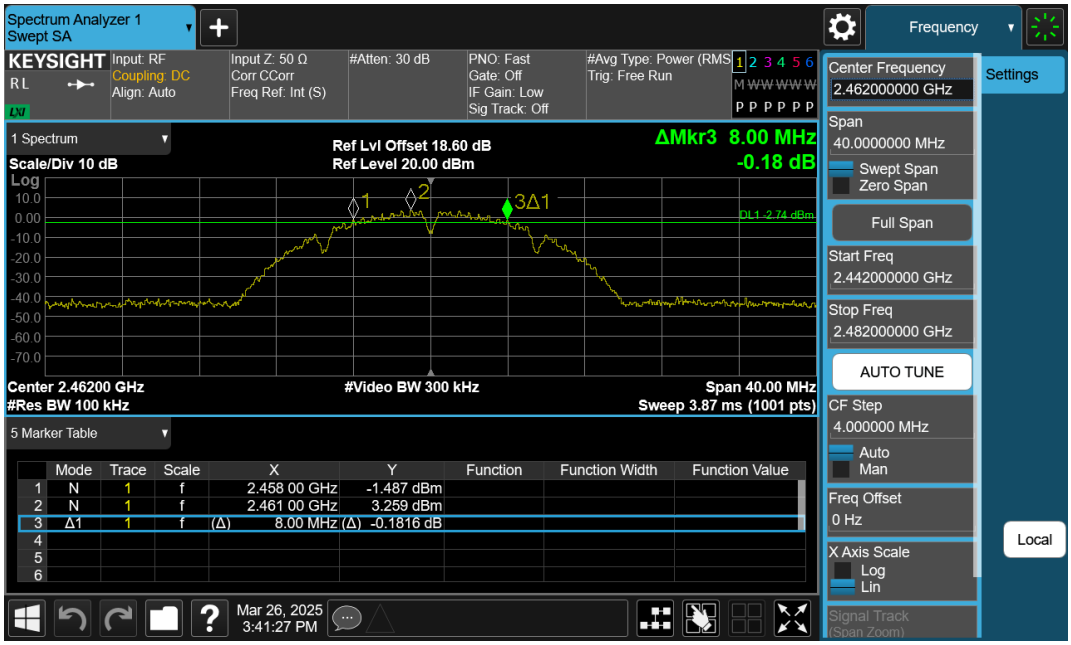
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.600	2408.440	2416.040	0.5	PASS
11B	Ant1	2437	8.040	2433.000	2441.040	0.5	PASS
11B	Ant1	2462	8.000	2458.000	2466.000	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
11G	Ant1	2437	15.040	2429.440	2444.480	0.5	PASS
11G	Ant1	2462	15.120	2454.440	2469.560	0.5	PASS
11N20SISO	Ant1	2412	13.720	2406.120	2419.840	0.5	PASS
11N20SISO	Ant1	2437	15.920	2429.440	2445.360	0.5	PASS
11N20SISO	Ant1	2462	7.600	2458.200	2465.800	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
11N40SISO	Ant1	2437	33.840	2420.760	2454.600	0.5	PASS
11N40SISO	Ant1	2452	33.840	2435.680	2469.520	0.5	PASS

Test Graphs

11B-Ant1-2412-PASS

11B-Ant1-2437-PASS

11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

11G-Ant1-2437-PASS

11G-Ant1-2462-PASS

11N20SISO-Ant1-2412-PASS

11N20SISO-Ant1-2437-PASS

11N20SISO-Ant1-2462-PASS

11N40SISO-Ant1-2422-PASS

11N40SISO-Ant1-2437-PASS

11N40SISO-Ant1-2452-PASS

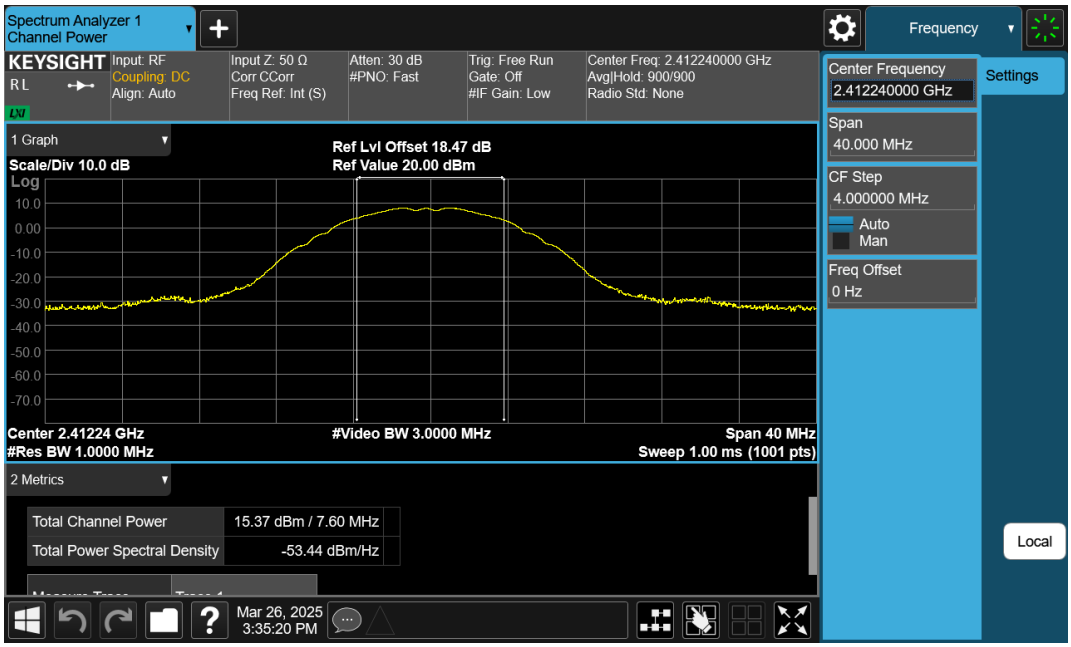
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.37	≤30.00	PASS
11B	Ant1	2437	15.28	≤30.00	PASS
11B	Ant1	2462	15.00	≤30.00	PASS
11G	Ant1	2412	21.95	≤30.00	PASS
11G	Ant1	2437	20.71	≤30.00	PASS
11G	Ant1	2462	20.59	≤30.00	PASS
11N20SISO	Ant1	2412	16.24	≤30.00	PASS
11N20SISO	Ant1	2437	17.29	≤30.00	PASS
11N20SISO	Ant1	2462	14.71	≤30.00	PASS
11N40SISO	Ant1	2422	17.63	≤30.00	PASS
11N40SISO	Ant1	2437	17.82	≤30.00	PASS
11N40SISO	Ant1	2452	17.43	≤30.00	PASS

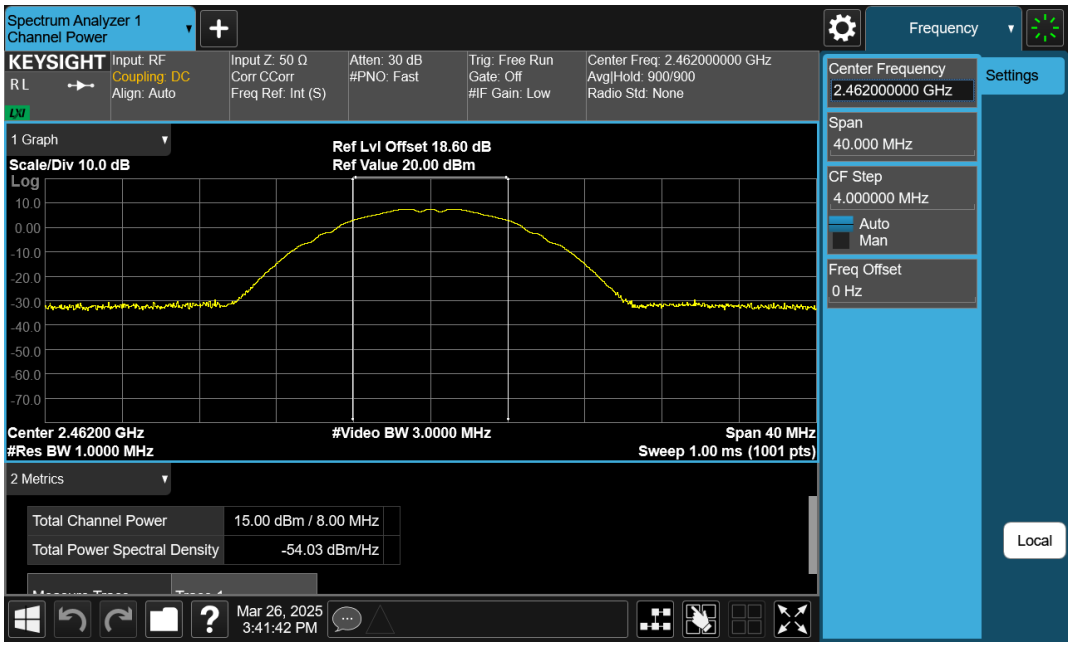
Test Graphs Peak

11B-Ant1-2412-PASS



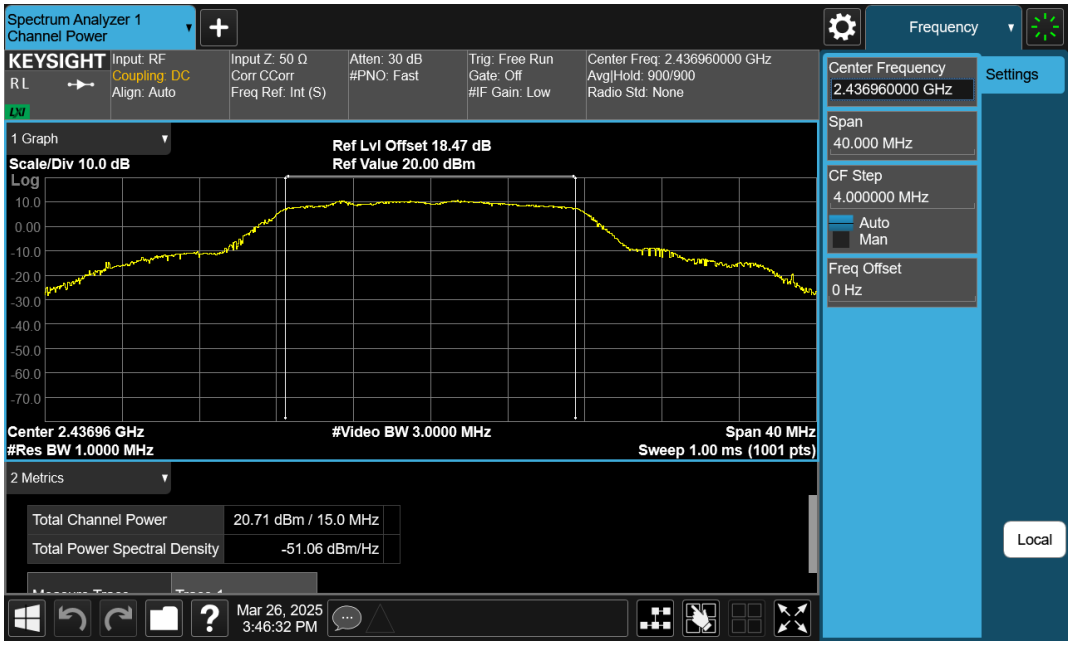
11B-Ant1-2437-PASS

11B-Ant1-2462-PASS

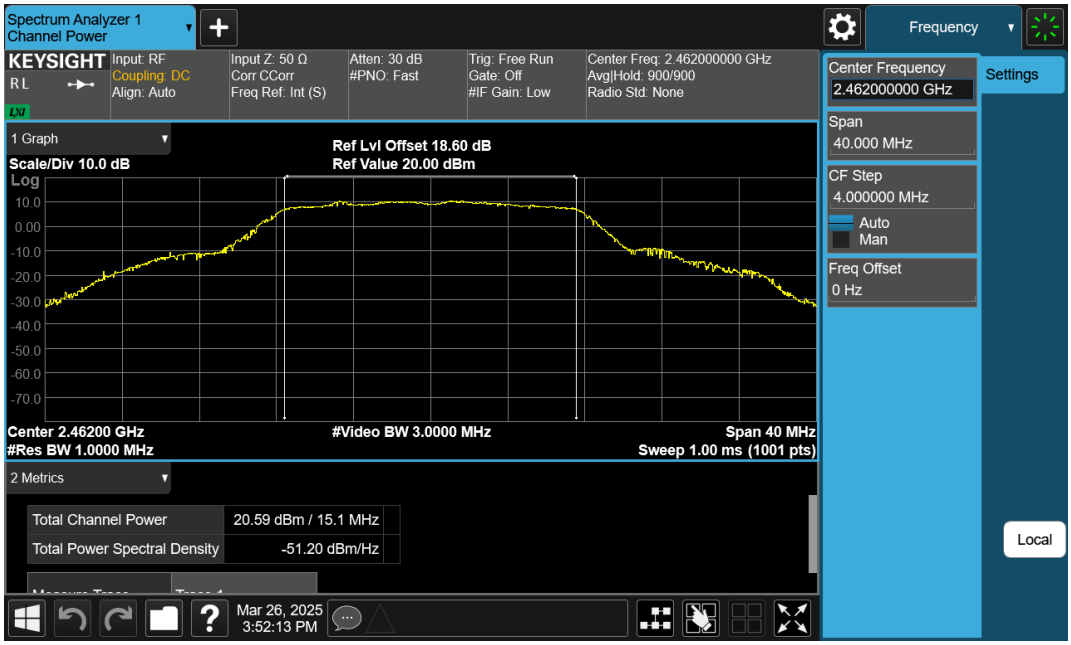


11G-Ant1-2412-PASS

11G-Ant1-2437-PASS



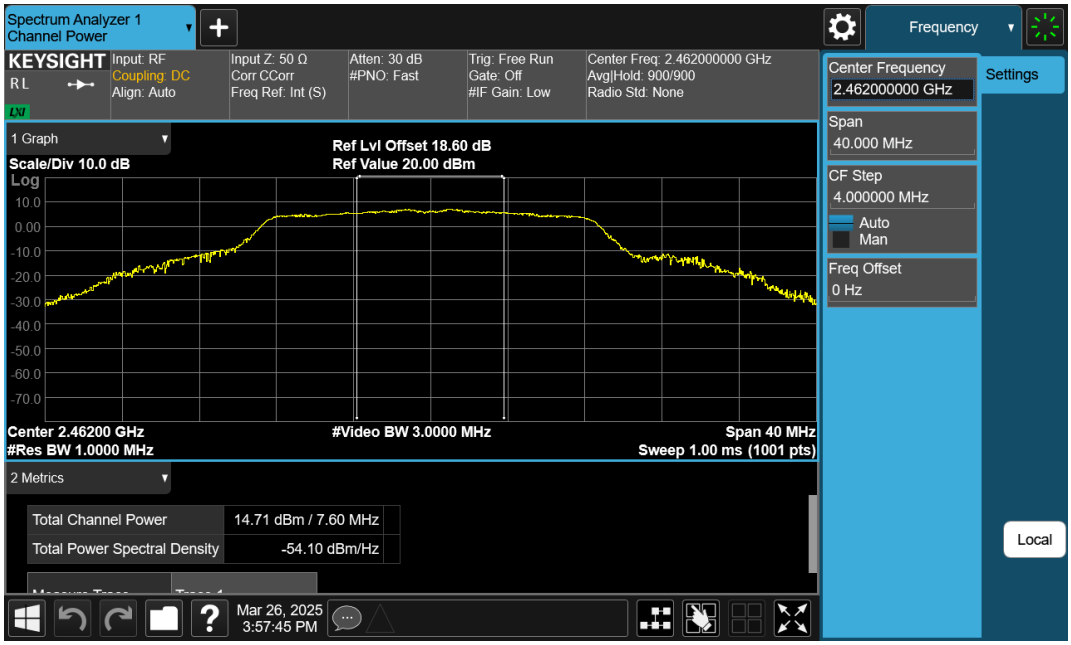
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS

11N20SISO-Ant1-2437-PASS

11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS

11N40SISO-Ant1-2437-PASS

11N40SISO-Ant1-2452-PASS

Spectrum Analyzer 1
Channel Power
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corr CCorr
Freq Ref: Int (S)
Atten: 30 dB
#PNO: Fast
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.452600000 GHz
Avg|Hold: 800/800
Radio Std: None
Frequency
Center Frequency
2.452600000 GHz
Settings
Span
80.000 MHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Scale/Div 10.0 dB
Ref Lvl Offset 18.47 dB
Ref Value 25.00 dBm
Log
15.0
5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0
-65.0
Center 2.45260 GHz
#Res BW 1.0000 MHz
#Video BW 3.0000 MHz
Span 80 MHz
Sweep 1.00 ms (1001 pts)
2 Metrics
Total Channel Power
17.43 dBm / 33.8 MHz
Total Power Spectral Density
-57.87 dBm/Hz
Local
Mar 26, 2025
4:05:31 PM

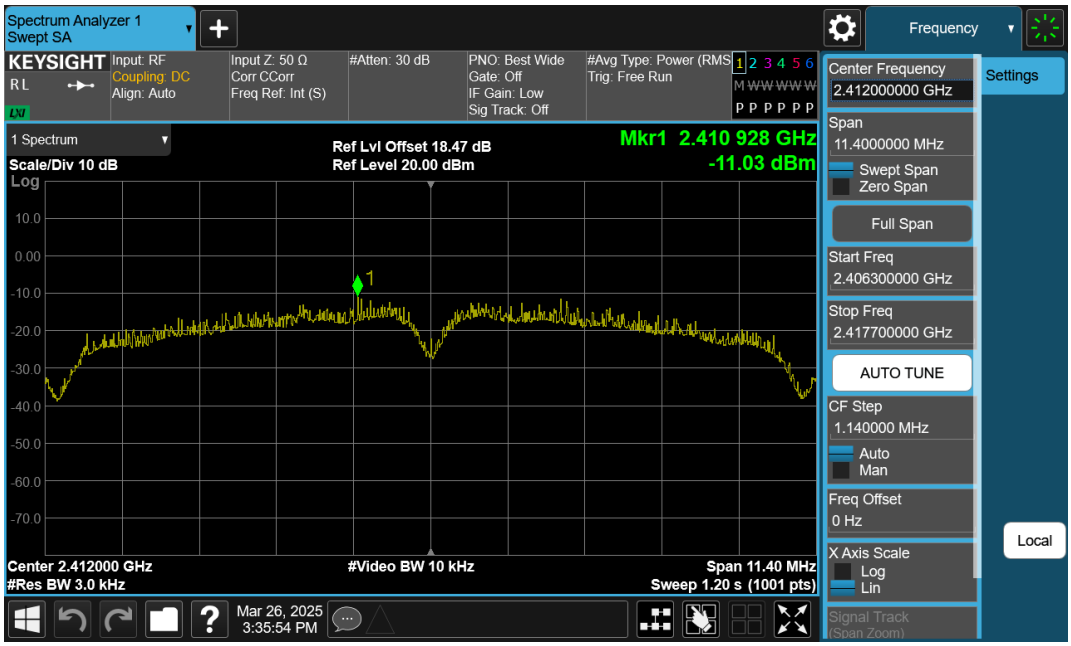
Appendix C: Maximum power spectral density

Test Result

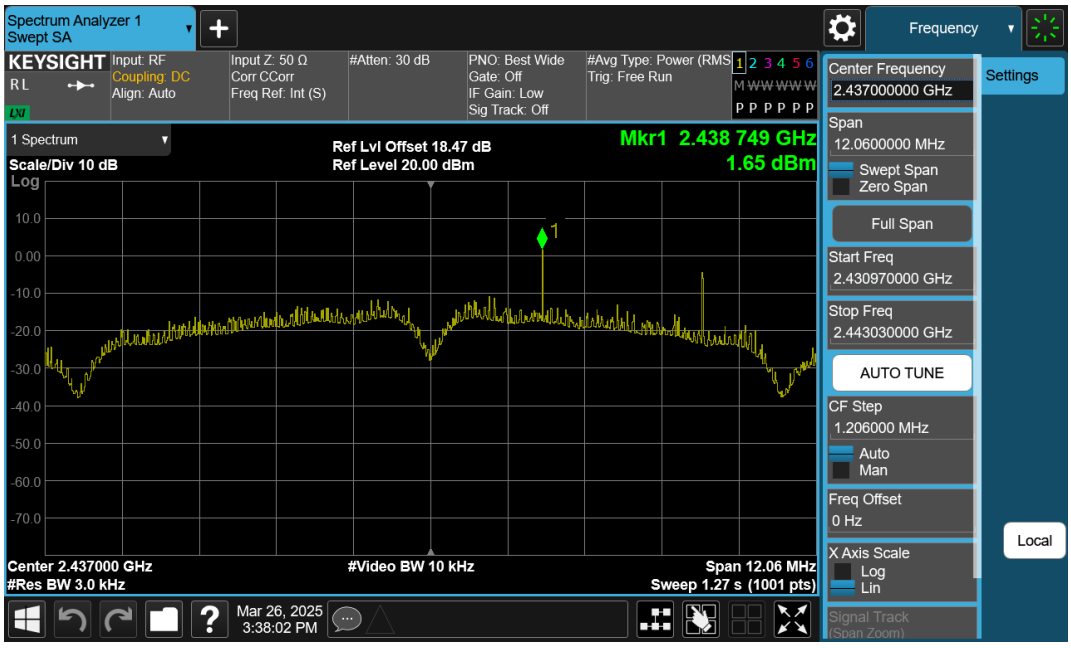
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.03	≤8.00	PASS
11B	Ant1	2437	1.65	≤8.00	PASS
11B	Ant1	2462	1.41	≤8.00	PASS
11G	Ant1	2412	-12.08	≤8.00	PASS
11G	Ant1	2437	-13.28	≤8.00	PASS
11G	Ant1	2462	-12.55	≤8.00	PASS
11N20SISO	Ant1	2412	-15.98	≤8.00	PASS
11N20SISO	Ant1	2437	-15.46	≤8.00	PASS
11N20SISO	Ant1	2462	-15.52	≤8.00	PASS
11N40SISO	Ant1	2422	-18.25	≤8.00	PASS
11N40SISO	Ant1	2437	-17.50	≤8.00	PASS
11N40SISO	Ant1	2452	-18.15	≤8.00	PASS

Test Graphs

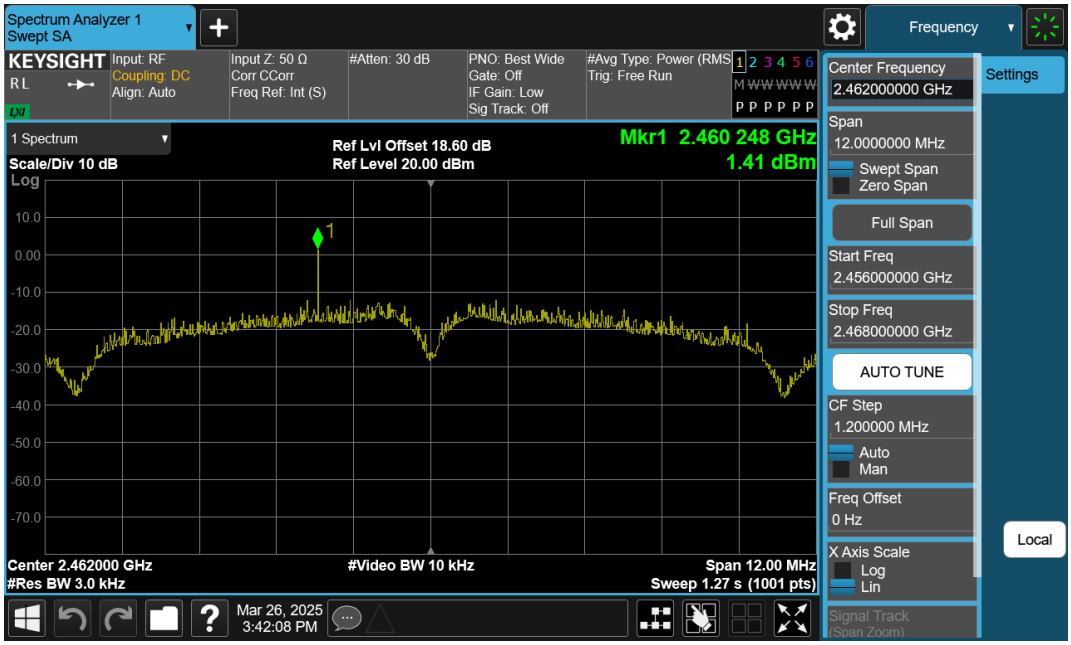
11B-Ant1-2412-PASS



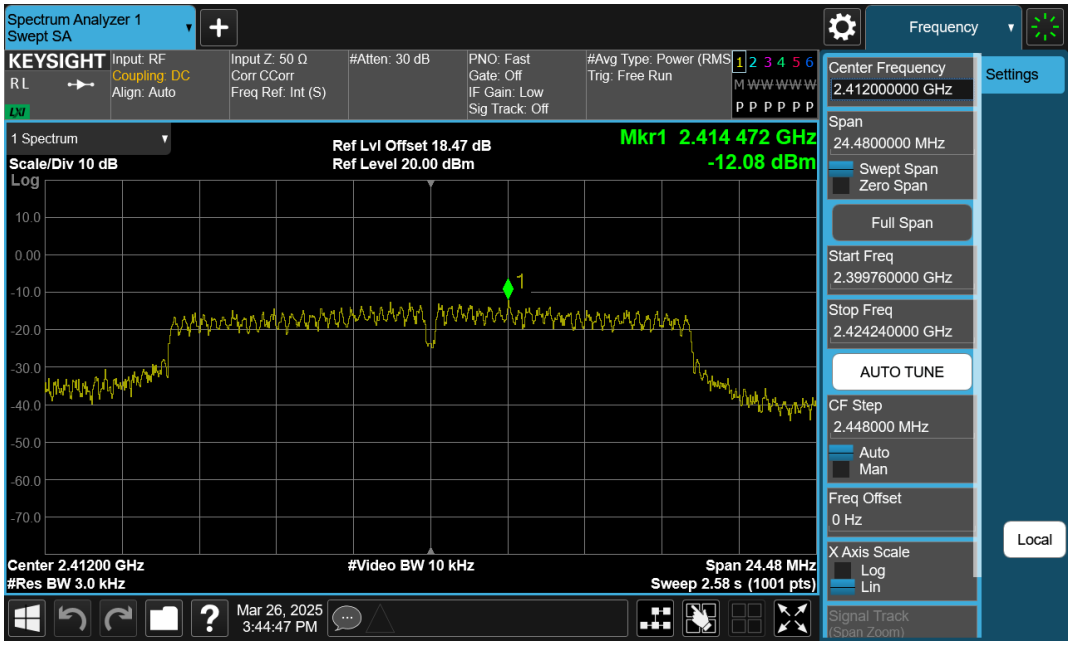
11B-Ant1-2437-PASS



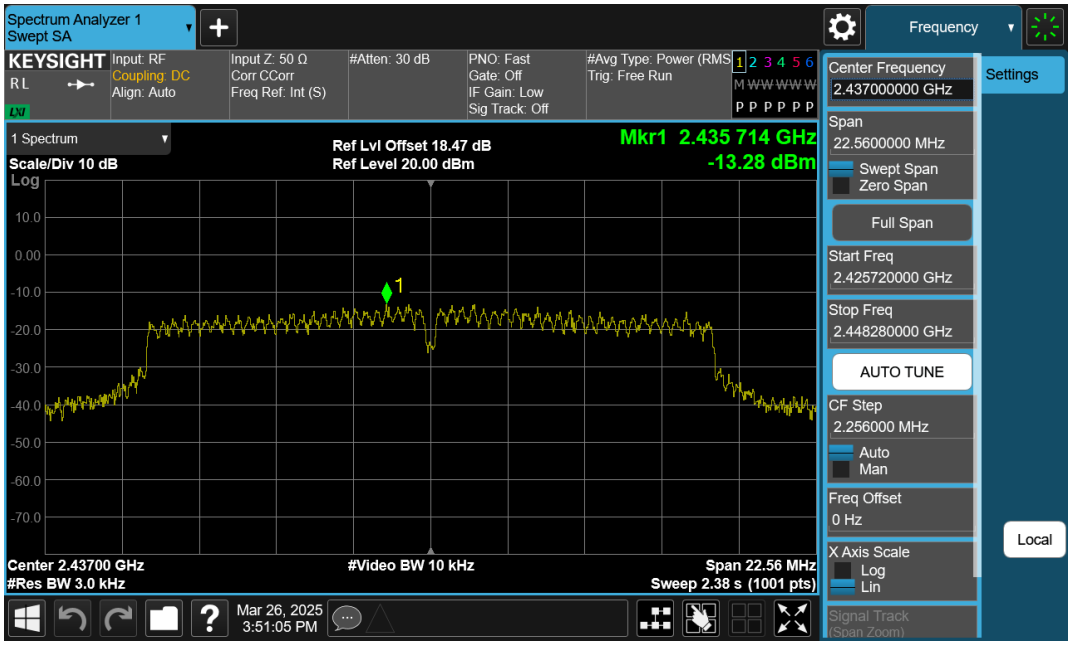
11B-Ant1-2462-PASS



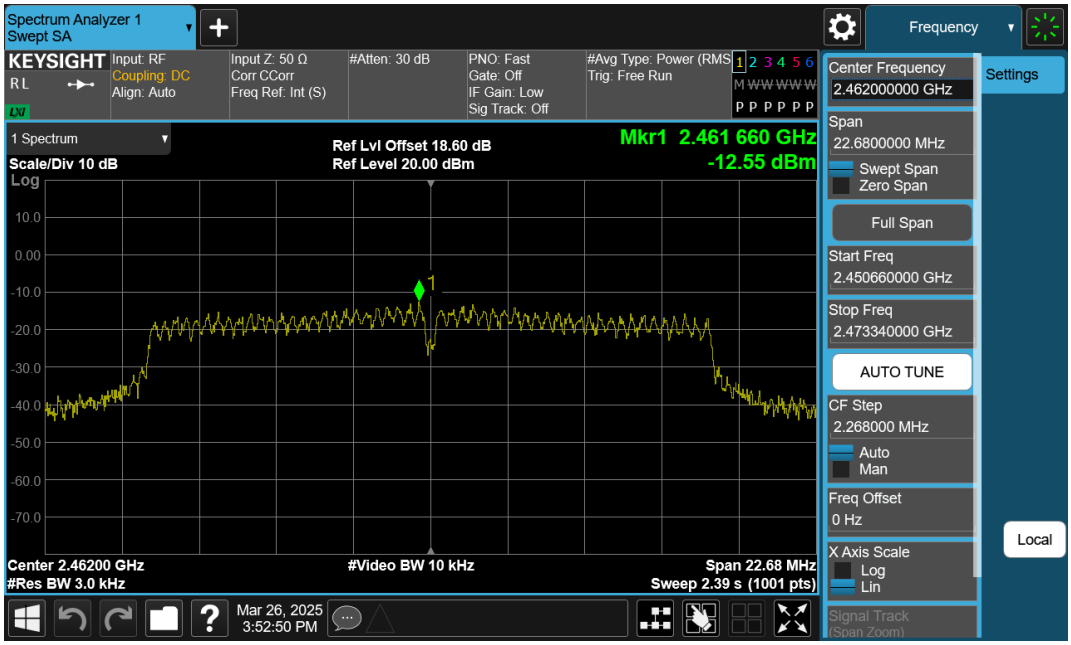
11G-Ant1-2412-PASS



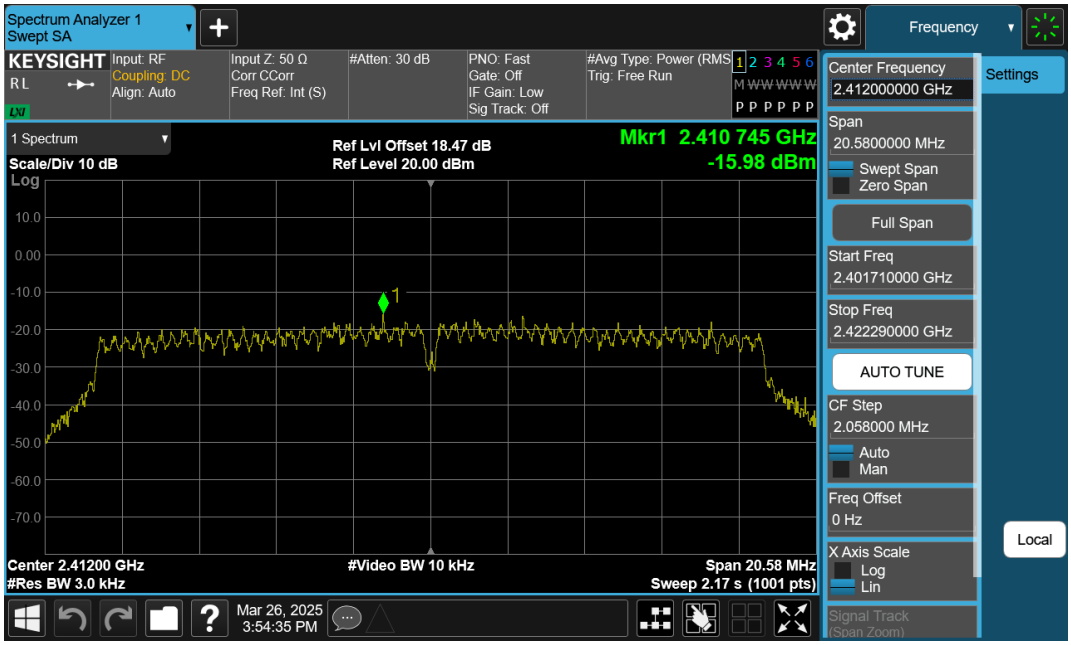
11G-Ant1-2437-PASS



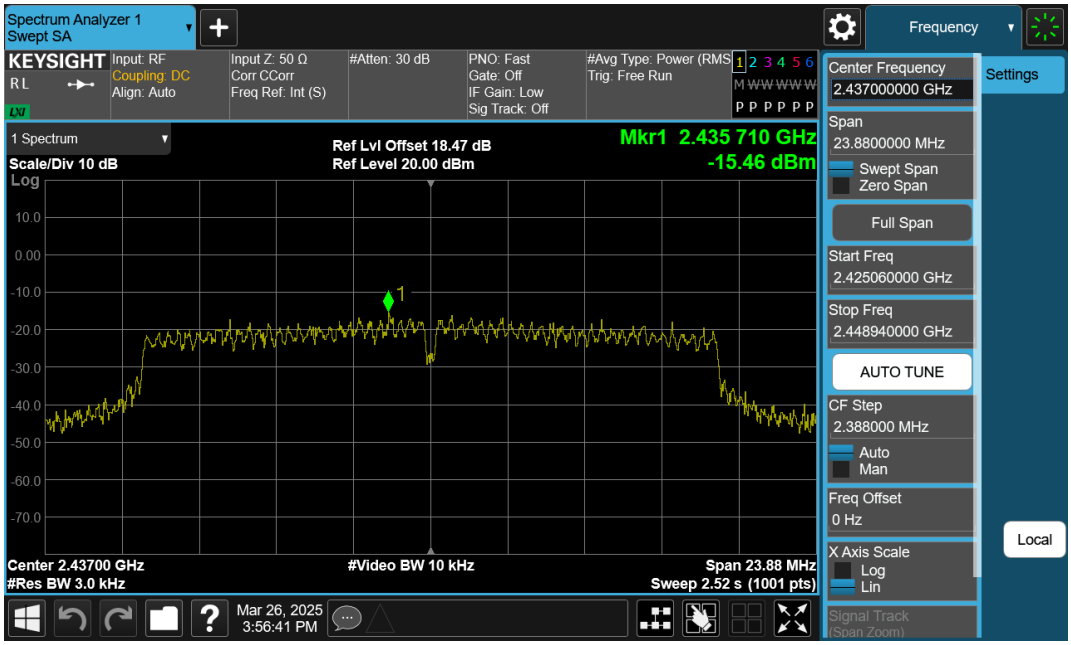
11G-Ant1-2462-PASS



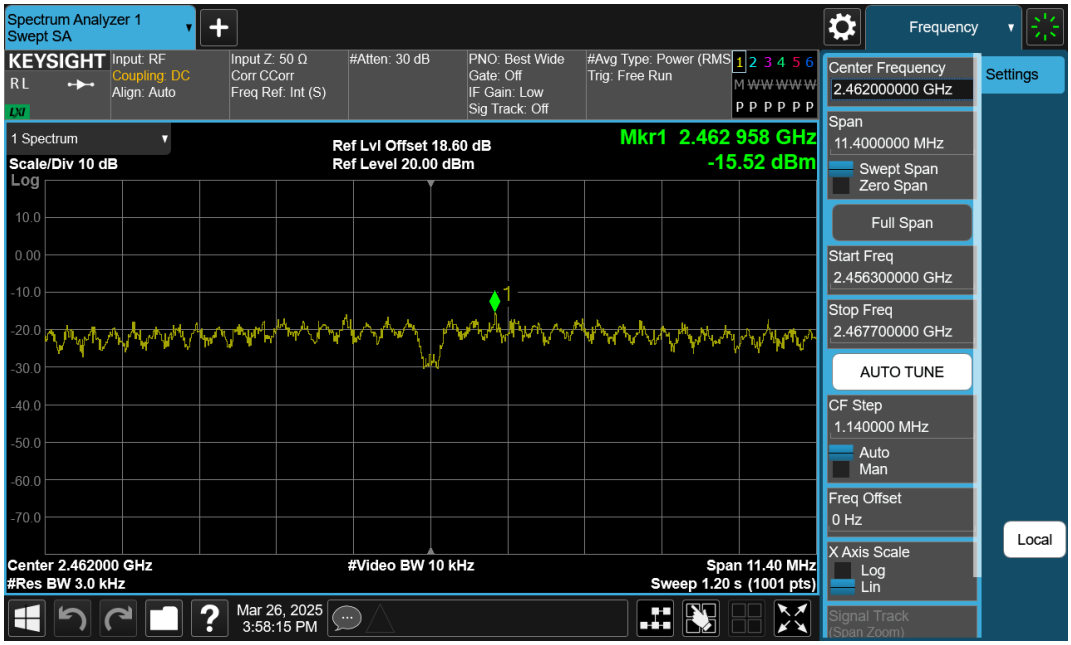
11N20SISO-Ant1-2412-PASS



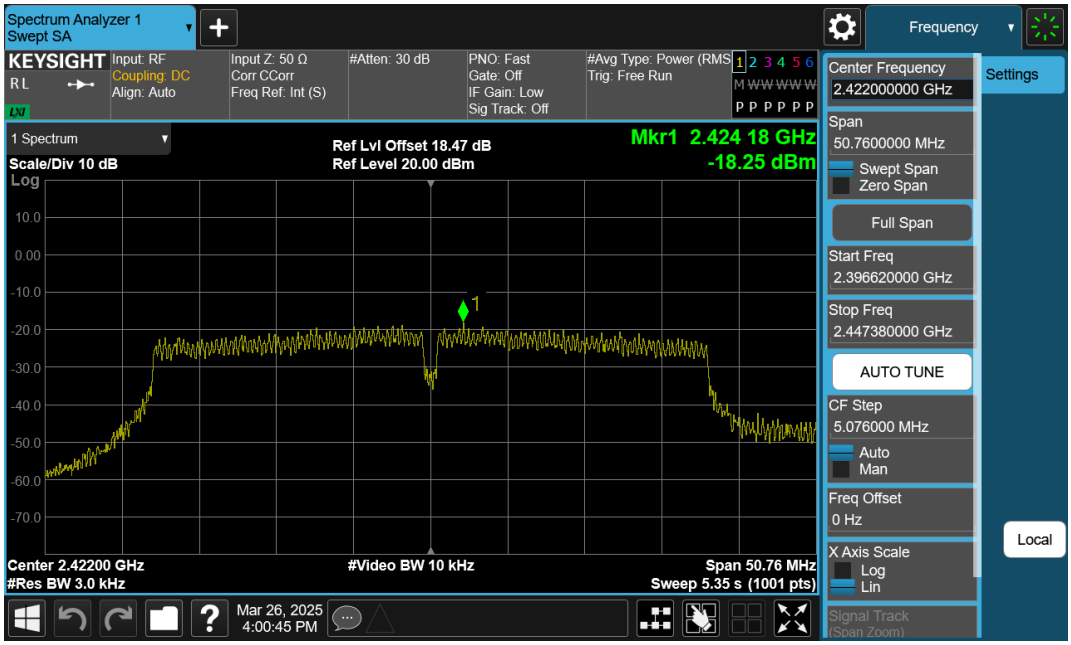
11N20SISO-Ant1-2437-PASS



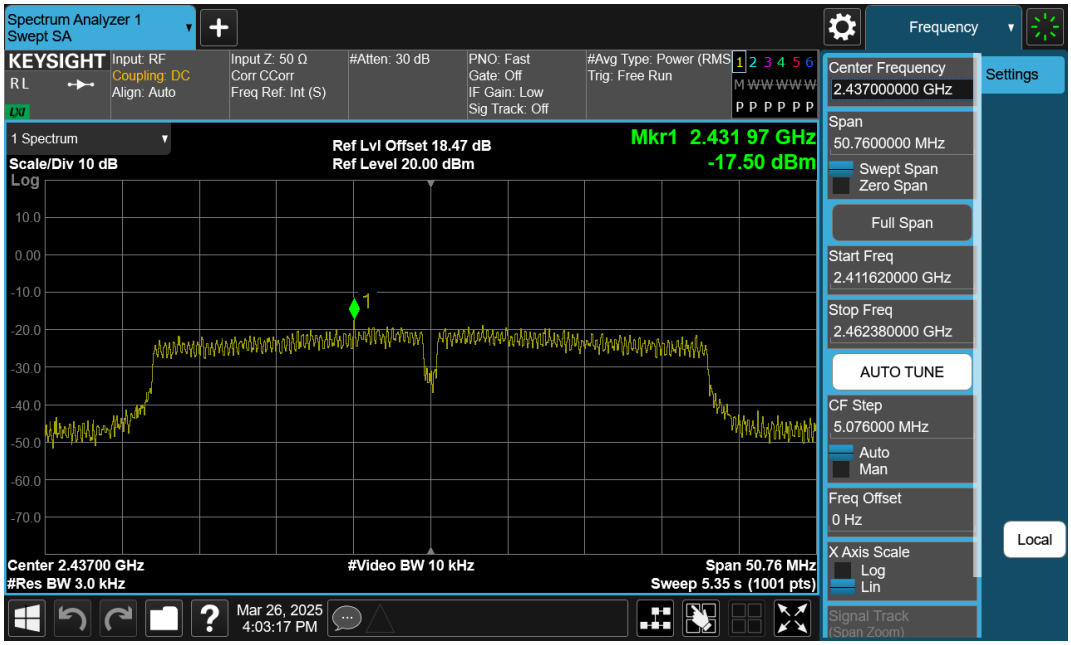
11N20SISO-Ant1-2462-PASS



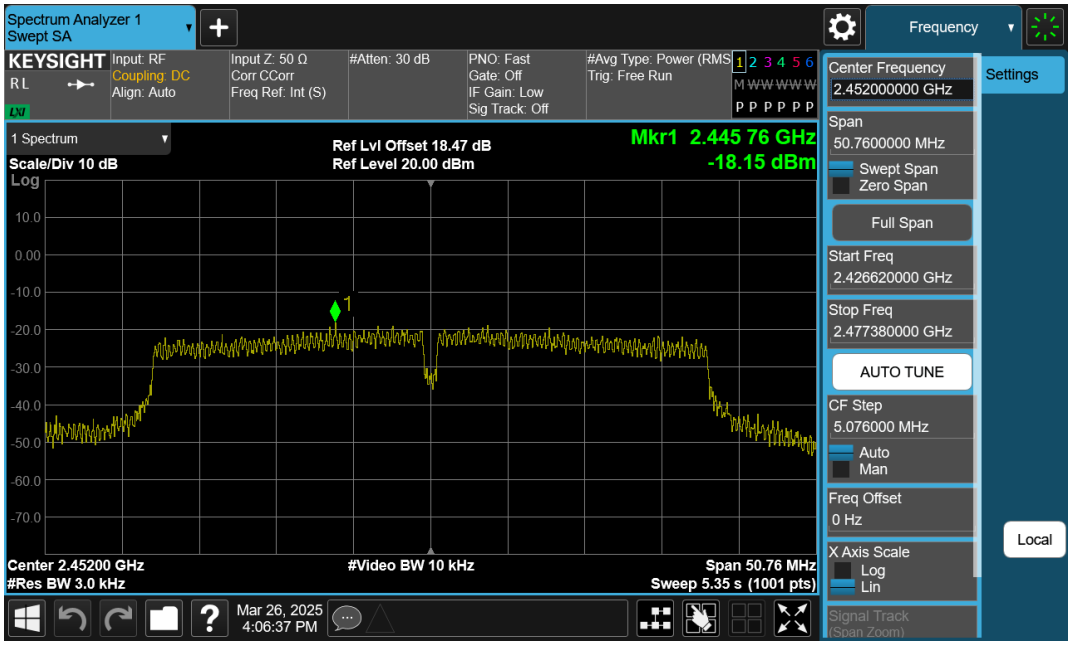
11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



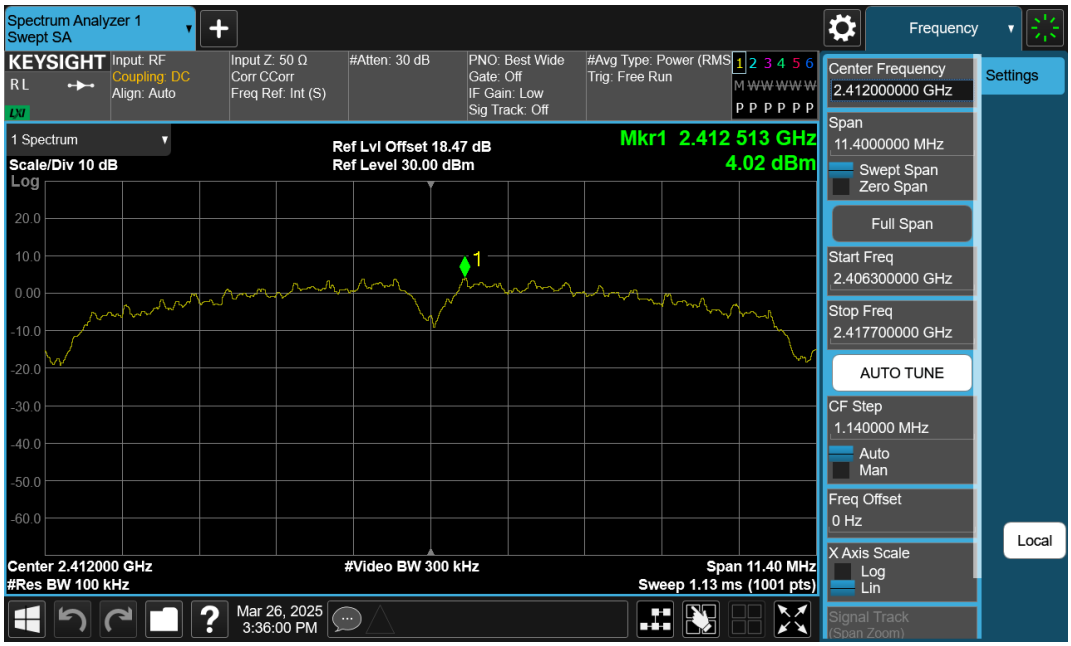
Appendix D: Reference level measurement

Test Result

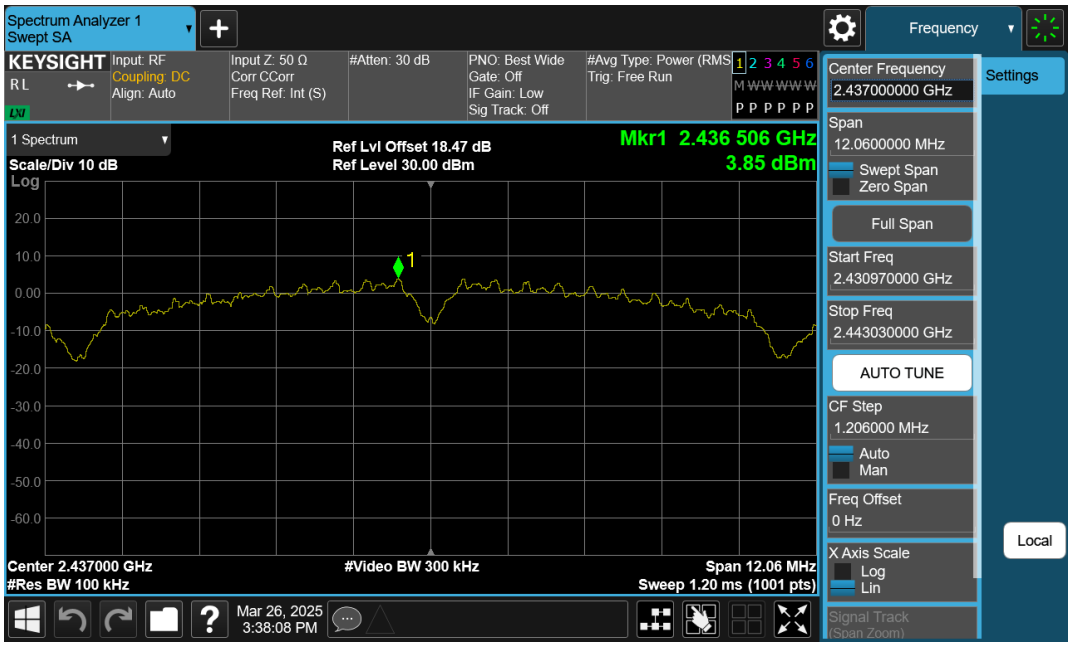
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.51	4.02
11B	Ant1	2437	2436.51	3.85
11B	Ant1	2462	2462.50	3.50
11G	Ant1	2412	2414.50	2.82
11G	Ant1	2437	2438.29	3.47
11G	Ant1	2462	2464.49	1.99
11N20SISO	Ant1	2412	2414.51	-1.08
11N20SISO	Ant1	2437	2438.24	0.08
11N20SISO	Ant1	2462	2463.27	0.38
11N40SISO	Ant1	2422	2417.03	-3.30
11N40SISO	Ant1	2437	2442.03	-3.04
11N40SISO	Ant1	2452	2449.51	-3.23

Test Graphs

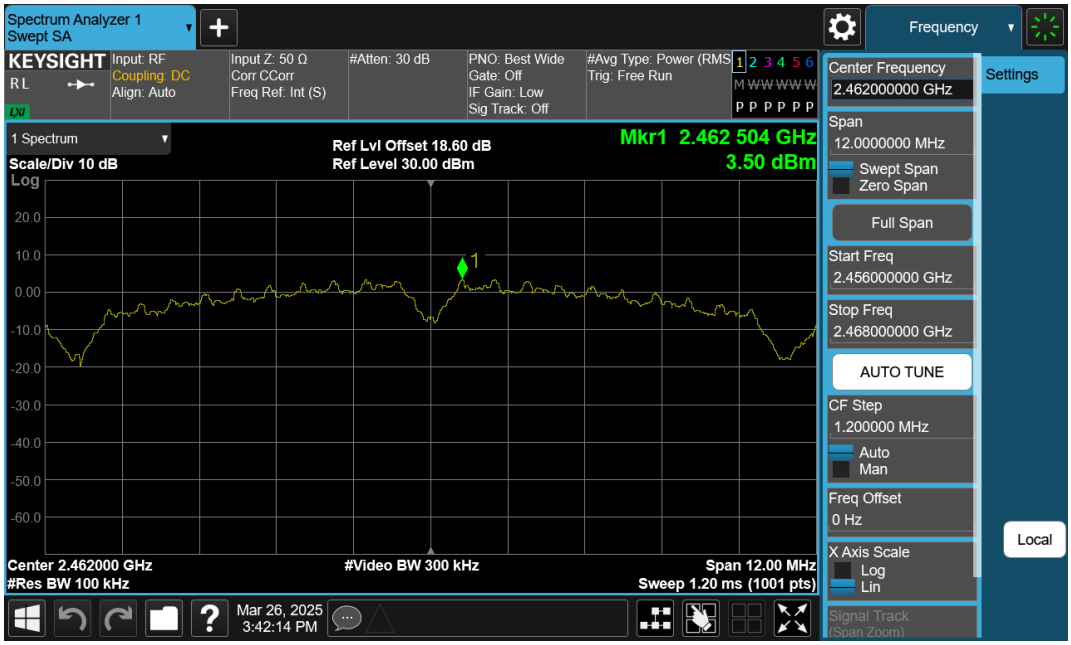
11B-Ant1-2412-PASS



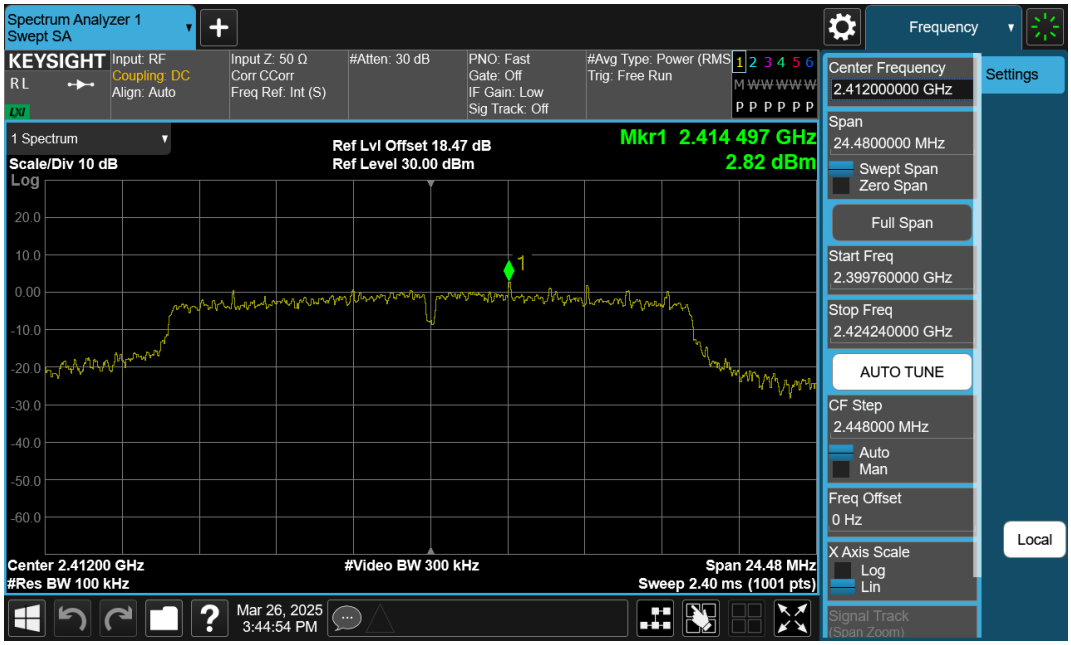
11B-Ant1-2437-PASS



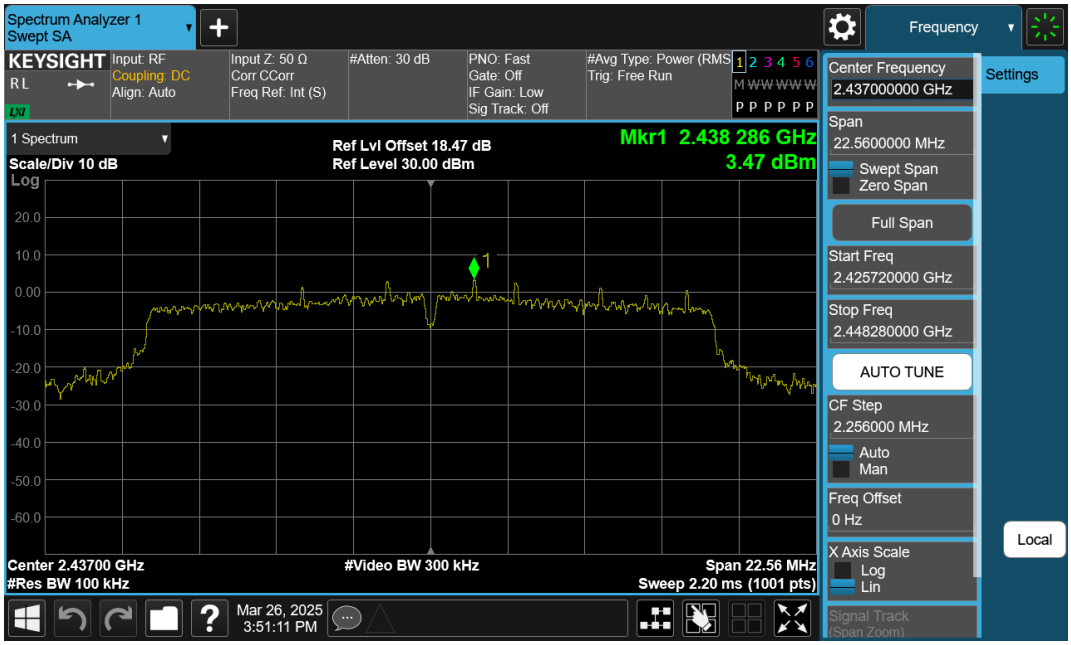
11B-Ant1-2462-PASS



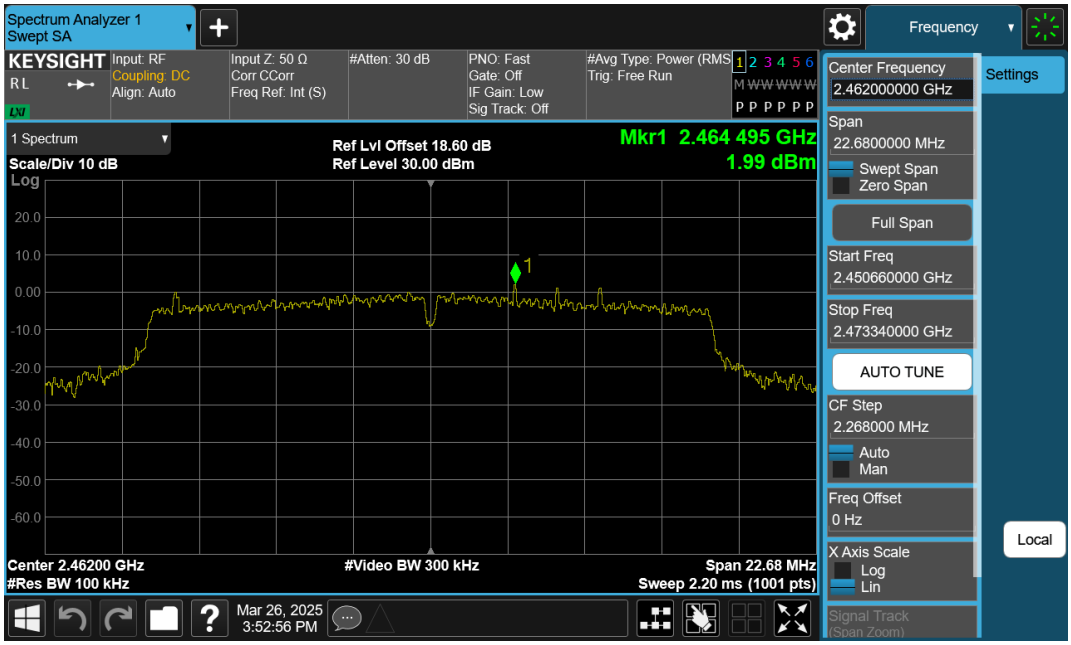
11G-Ant1-2412-PASS



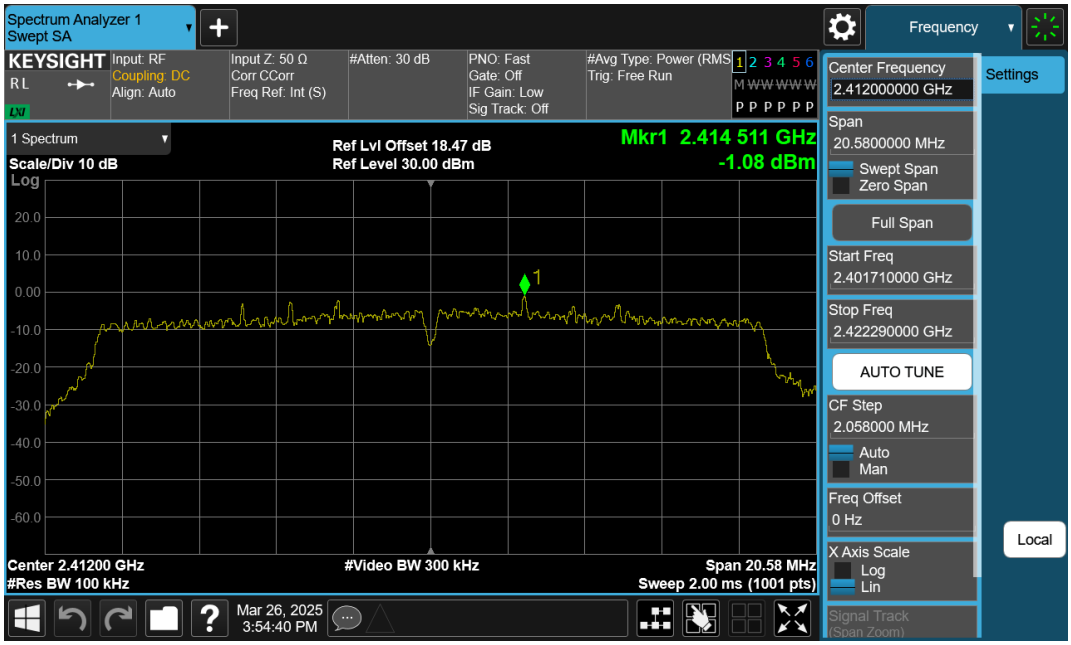
11G-Ant1-2437-PASS



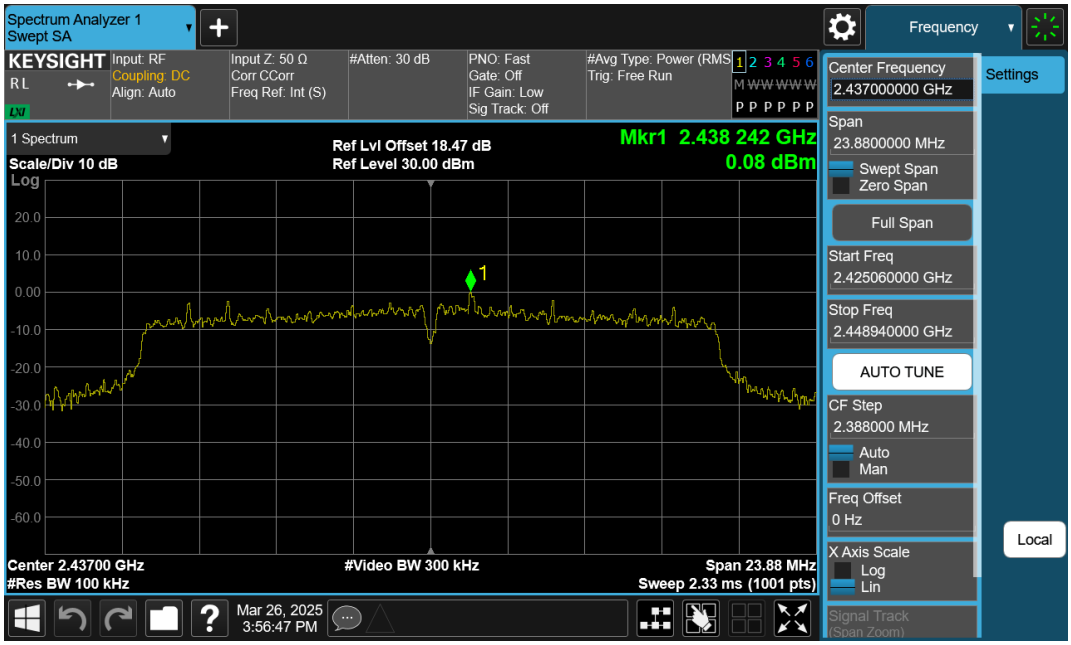
11G-Ant1-2462-PASS



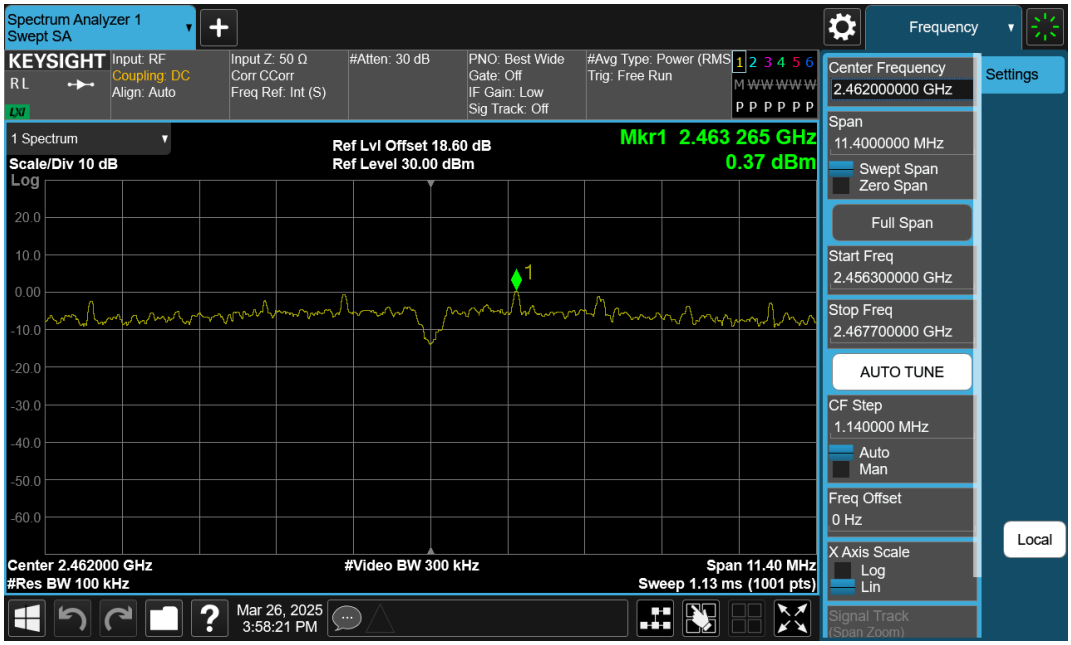
11N20SISO-Ant1-2412-PASS



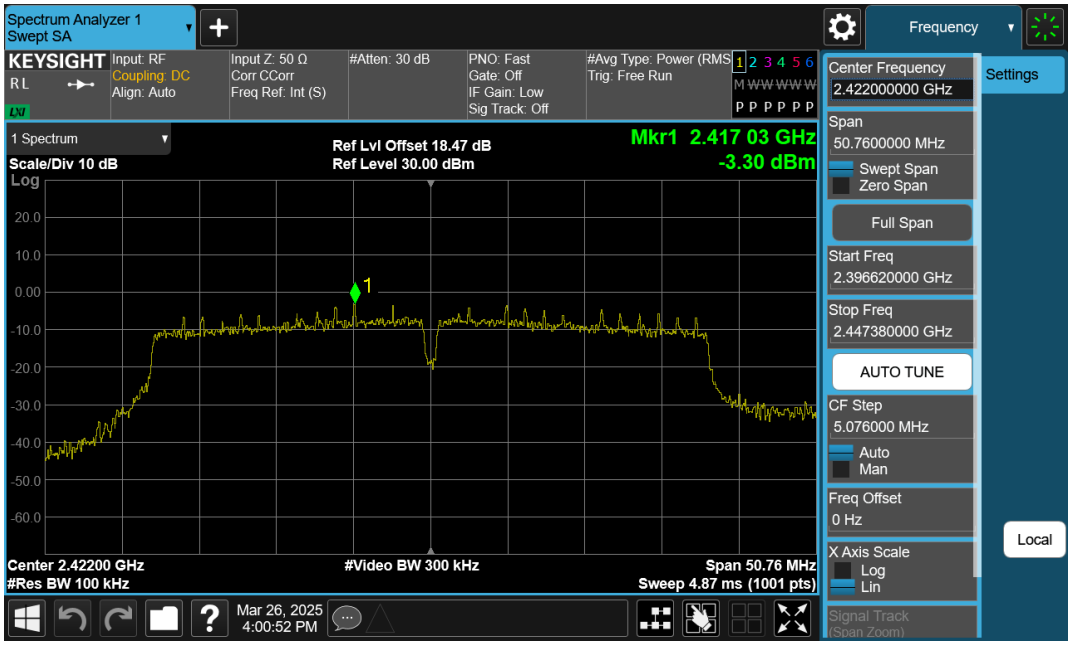
11N20SISO-Ant1-2437-PASS



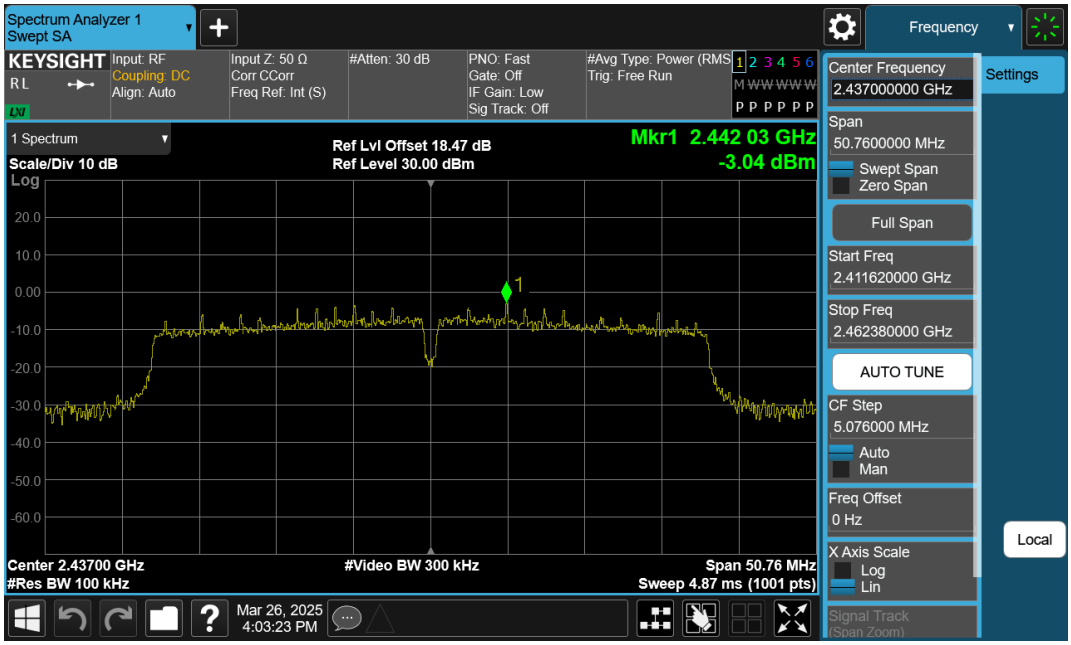
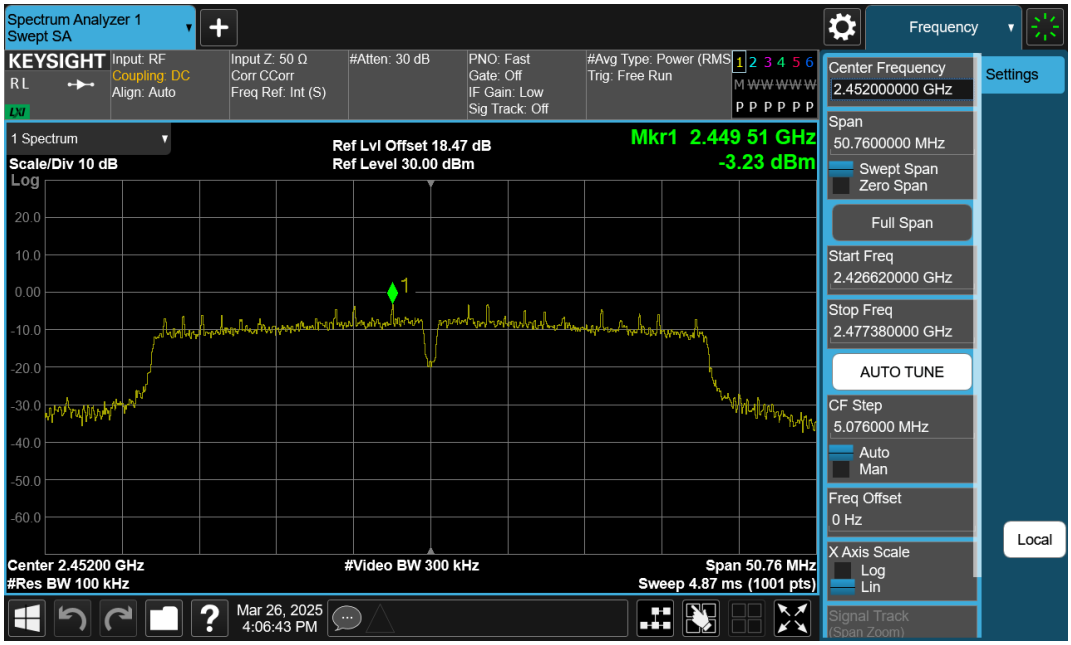
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS